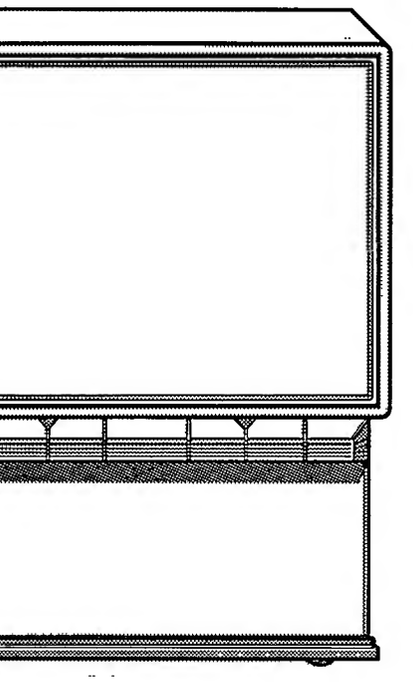
CONSUMER ELECTRONICS

PHILIPS

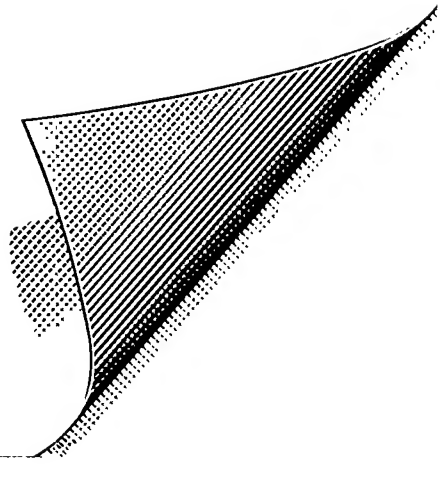


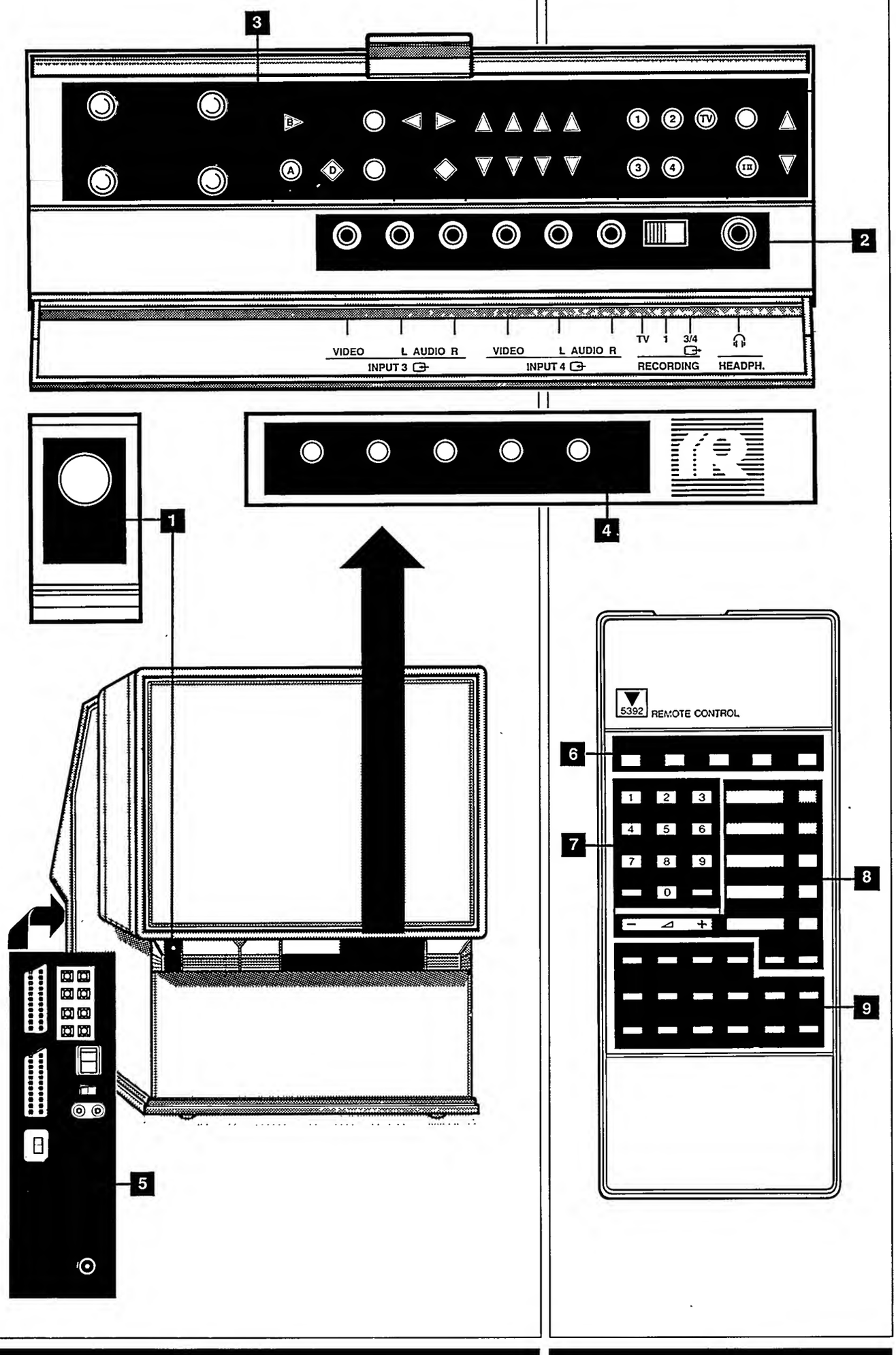
41CE8741
41CE8746

46CE8761
46CE8766

PROJECTION TV
PROJEKTIONS-FERNSEHER
TÉLÉPROJECTEUR
PROJECTIE-TV
TV DA PROIEZIONE
TELEVISOR POR PROYECCIÓN

English	**Operating instructions** Page 1-18	**Attention!** ● Always open this flap page first.
Deutsch	**Bedienungsanleitung** Seite 19-35	**Achtung!** ● Immer zuerst dieses Umschlagblatt öffnen.
Français	**Mode d'emploi** Page 36-52	**Attention!** ● Commencez toujours par ouvrir ce rabat.
Nederlands	**Gebruiksaanwijzing** Pagina 53-69	**Attentie!** ● Altijd eerst deze flap openslaan.
Italiano	**Istruzioni per l'uso** Pagina 70-86	**Attenzione!** ● Aprire sempre prima questa pagina pieghevole.
Español	**Instrucciones de manejo** Página 87-103	**¡Atención!** ● Abrase siempre antes que nada esta página.




3
2
VIDEO
L AUDIO R
INPUT 3
VIDEO
L AUDIO R
INPUT 4
TV
1
3/4
RECORDING
HEADPH.
1
4
5
6
7
8
9
5392
REMOTE CONTROL

Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour projection television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.
The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. Our own Service Division – Philips Service – provides your dealer with comprehensive technical advice, and distributes approved spare parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.
In any event you may expect speedy attention to restore your set to full working order without delay.

Free service for 12 months:
The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 12 months from the date of initial consumer sale provided:
- reasonable evidence is supplied that the set was purchased within 12 months prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexpert modification or repair.

The tube guarantee is administered by Mullard Limited, renowned manufacturer of colour tubes.
In addition to the customary 1 year free guarantee, Mullard will extend the guarantee period by a further 3 years for a nominal fee.
To register your tube guarantee please send:
a) your name and address;
b) your set's identity card (which will be returned to you);
c) a cheque/p.o. made out to 'Mullard Ltd' for £ 15.00 if you wish to extend your 1 year by a further 3 years;
to the following address:

Mullard Limited
Service Department
Free Post
Beddington Lane
Croydon CR9 9AU

Service after 12 months:
Continuing service after 12 months is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet – this is provided for your reference and should be kept in a safe place.

Mains connection

Before connecting the TV set to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important
The wires in the mains lead are coloured according to the following code.

BLUE = NEUTRAL
BROWN = LIVE

If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 amp. Alternatively, if another type of plug (not fused), is used, the fuse at the distribution board should not be greater than 5 Amp.
If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The BLUE wire should be connected to the terminal marked 'N' or coloured black.
The BROWN wire should be connected to the terminal marked 'L' or coloured red. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not simply over the two wires.

Connecting the aerial

The aerial should be connected to the socket marked ⊓ at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.
Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

General Points

Please take note of the section 'General' at the end of the English section in this booklet.

Interference
The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where these are being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Stereo TV sound
At present there are no TV broadcasts in the UK with stereo sound. TV sets with stereo sound facilities will reproduce stereo sound from suitable external sources connected via the Euroconnector socket, eg. stereo Video Recorder replaying pre-recorded material.

Introduction

All functions and facilities of the TV and remote control are described in these operating instructions.

With this TV it is possible using text on the screen (DOS) to display various functions, modes and operations as indicators.

For optimum sound reproduction and surround sound effect it is advisable to connect the specially designed loudspeaker boxes.

PIP* offers the possibility of calling up an extra picture onto the screen while watching the TV, of exchanging it with the main picture, moving and freezing it.

The easiest way to learn how to use this TV is to perform the operations described in the order shown.

Important
The drawings in the text are accompanied by figures, e.g. 1. These correspond to the same figures on the fold-out flap. This enables you to find easily the corresponding buttons on the TV and remote control.

* (only for 41CE8746 and 46CE8766)

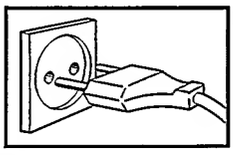
Installation

The projection TV is mobile, thus making it easier to position.

Warning! When positioning the projection TV leave a space of 10 cm around the set for ventilation.

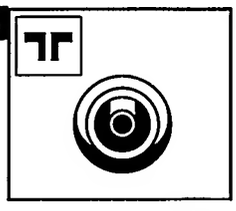
The TV is suitable for a mains voltage of 220/240 V. If the mains voltage is different, consult your dealer.
The mains voltage for the UK is 240 V.

Connecting the set



- Put the plug of the TV in the socket.

5



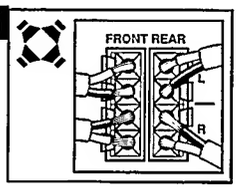
- Connect TV aerial to input ⌐r.

Surround Sound

For surround sound effect, 4 extra 8 ohm loudspeakers must be connected. The 4 loudspeakers must be arranged in a square if possible.
It is also possible using the built in loudspeakers as FRONT speakers. In this case the built in loudspeakers must not be disconnected.

Connection

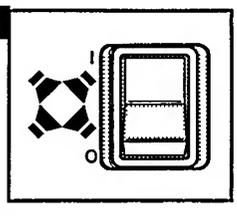
5



Front
The front loudspeakers are placed to the left (L) and to the right (R) behind or level with the TV, and connected to the L and R front connections.

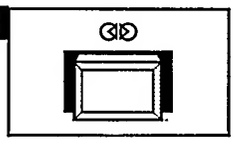
Rear
The rear loudspeakers are placed to the left (L) and to the right (R) in front of the TV, and connected to the L and R rear connections.

5



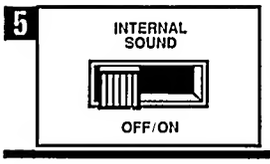
The SURROUND SOUND ⌘ switch should be in the I mode.

8



- If the (REAR) loudspeakers do not produce any sound, please suppress the ⌀ key on the remote control.

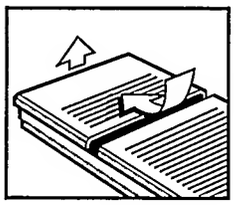
Remark: The black connections serve as a mass connection for the loudspeakers.



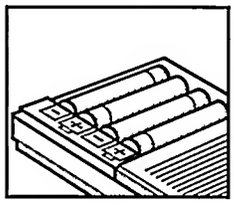
In this case the built-in loudspeakers must be disconnected.
- Switch ON/OFF in OFF position.

Remote control

Inserting the batteries



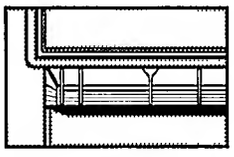
- Open the cover on the back of the remote control by pressing on the arrow head and sliding it in the direction of the arrow.



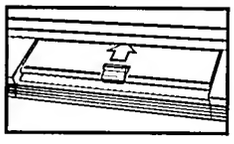
- Insert the (four) batteries, as indicated in the battery holder.
We advice you to use Philips Alkaline batteries, type LR03, because of their very long life.

- Replace cover.

Storing the remote control

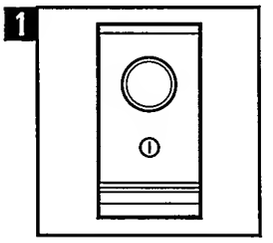


Space for storing the remote control is provided behind the cover.

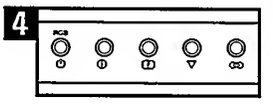


Adjustment

Switching on/off



- To switch on: Press button ⏻.

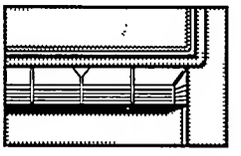


PR 1 may appear at top right in your picture.
The indicator ⏻ will also come on.

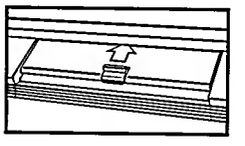
Note 1: If indicator ⏻ is lit, you must press a digit button on the remote control.

Note 2: You can switch off the TV by pressing button ⏻ again.

Control panel



- Open the cover.

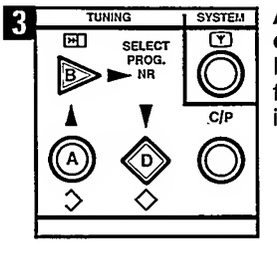


Searching for and storing TV stations in the memory

Important!

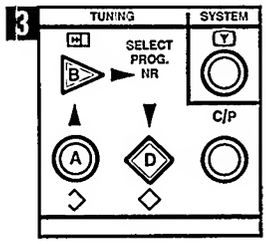
Channel numbers
TV stations transmit programmes via TV channels, indicated as CH followed by two or three-figure numbers (on the hyperband model).

Programme numbers
You select a TV station by means of a number (programme number) which you allocate to it. These programme numbers can be indicated as PR followed by one- or two-digit numbers (0 to 9 or 00 to 89).



A.
- Press button A (◇).

Indicator PR flashes on the TV screen followed by a programme number and indicator CH with two digits.

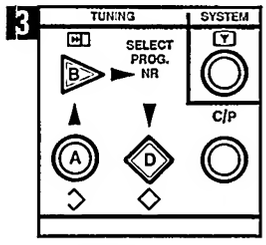


B.

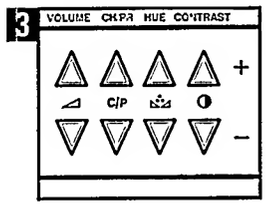
- Press button B (⏭)*. Channel numbers begin to run up on the TV screen.

When a TV station has been found, but the picture is poor or it is not the right station, continue searching by pressing button B (⏭) again.

* When searching for a station the text SEARCH also appears on the TV screen.
Green for the European standard (PAL) and American standard (NTSC).
Red for the French standard (SECAM).



If no TV station is found, you can select another system by pressing button SYSTEM Ⓨ.

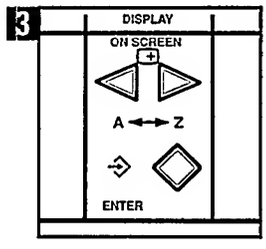


C.

- If the required TV station is found, then select a programme number. Press button ▽ or △ CH/PR to select a programme number.

Note. You can give 90 TV stations a programme number from 00 to 89.

If required, a name can be programmed for the TV station found (max. 5 positions).

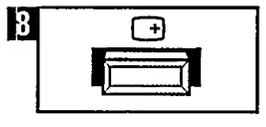


- Press button (⏭) ◁ or ▷, so that the required letter and the required digit are found:
- Press button ENTER ⇨.

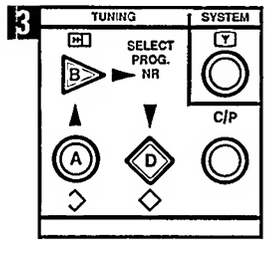
Select following letter or digit, etc. Repeat the operation until the station name has been stored.

In this way a name can be allocated to a maximum of 34 TV stations.

Note. It is possible to call up the programmed station names of TV stations already adjusted via DOS (as a check).



- Press button ⏭, the list appears on the screen.
- Press button ⏭ again to switch off DOS.



D.

- Press button D (◇) and keep it pressed in until indicator PR no longer flashes. The TV station, possibly with the programmed station name, will now be established under the selected programme number.

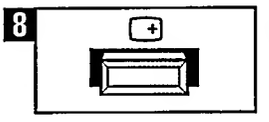
An extending red bar may also appear in the top of your picture by way of confirmation.

Searching for and storing other TV stations

For searching and storing the remaining TV stations (max. 90), repeat operations **A**, **B**, **C** and **D**.

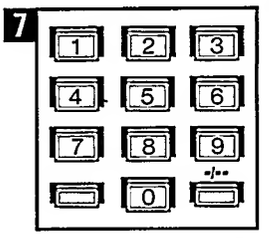
Calling up list

If required you can call up the list of the possible programmed station names with their corresponding programme number.

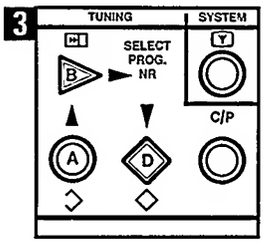


- Press button ⏭ and keep it pressed in until the list appears on the screen.
- Press button ⏭ again to switch off DOS.

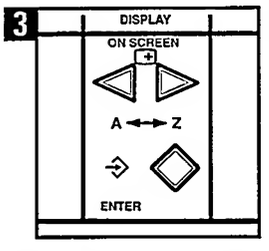
Erasing programmed TV station names (DOS)



- Select the appropriate programme number.

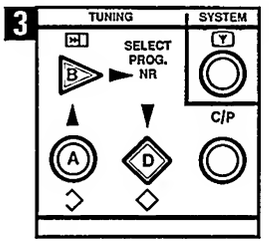


- Press button A (◇).



- Press buttons ◁ ▷ (⏭) at the same time.

Five 'stars' now appear where the TV station name was displayed.



- Press button D (◇).

An extending red bar may also appear in the top of your picture by way of confirmation.

The programme number and the station name are now erased from the DOS menu.

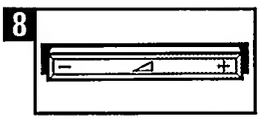
Personal preference setting of picture and sound

Here also you can switch on DOS (see appropriate section 'Calling up DOS').

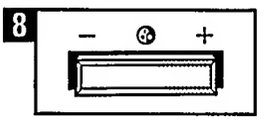
Note. The contrast and the HUE are not reported via DOS.

Picture and sound have already been set in the factory in accordance with the average standard. It is however possible to set both picture and sound according to your personal preference and to store these settings in the memory.
As a result the factory setting is cancelled.

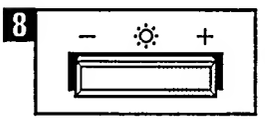
Setting
To do this, press the plus + or minus — side of the relevant controls.



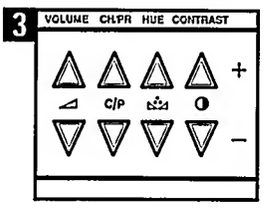
Volume ◿



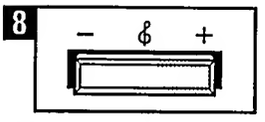
Colour saturation



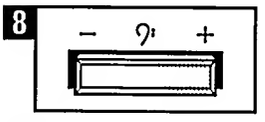
Brightness



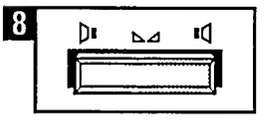
Contrast ◑



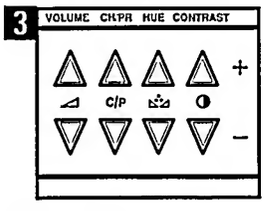
Treble



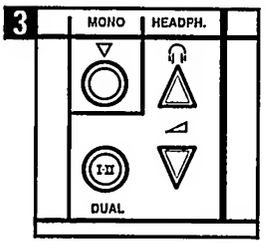
Bass



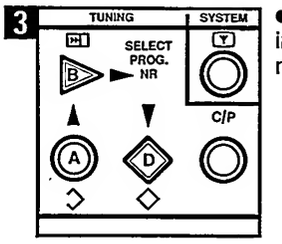
Balance



HUE (tint) only with NTSC.



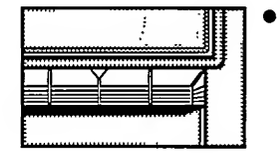
Volume ◿ (headphones)



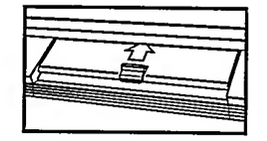
- Press button D (◇). The changes implemented are now stored in the memory.

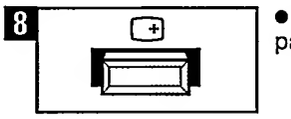
'Static convergence'

If the picture quality is adversely affected by external interference (magnetic fields), the reason for this could be that the convergence is not properly adjusted.
This can be checked and corrected as follows:

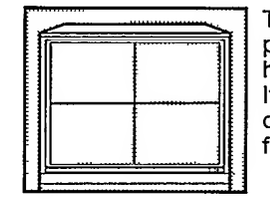


- Open the cover.

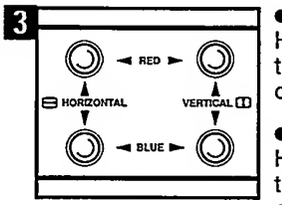




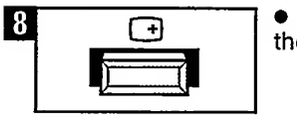
- Keep button ⊡ pressed until a cross pattern appears.



The cross which now appears on the picture should consist of a white horizontal and a white vertical line.
It this is not the case and lines of different colours are visible, proceed as follows:



- Turn the buttons +/— RED HORIZONTAL ⊟ VERTICAL ⊡ so that the red lines coincide with the fixed cross already on the screen.
- Turn the buttons +/— BLUE HORIZONTAL ⊟ VERTICAL ⊡ so that the blue lines coincide with the fixed cross already on the screen.
This must result in a white horizontal and a white vertical line which together form a cross.

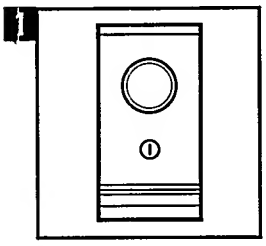


- Press button ⊡ again to switch off the test position.

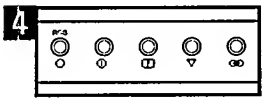
Note: Do not place loudspeakers (magnets) in the vicinity of the projection TV because these can affect the static convergence.

Operating the TV

Switching on/off



- To switch on: Press button ⏻. (The TV switches on to programme number 1.)
At the top right of the picture PR 1 may appear, possibly with the name of the station.

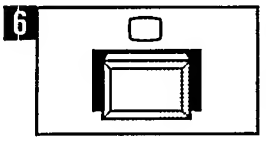


The indicator ⏻ will also come on.

Note 1: If indicator ⏻ lights up, you must press a digit button on the remote control.

Note 2: You can switch off the TV by pressing button ⏻ again.

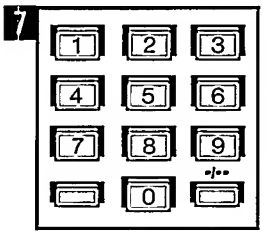
TV mode



From TELETEXT mode and EXTERNAL*, switch back to TV programme choice.
- Press button ▢.

* External refers to modes 1 ⇥ or 2 ⇥ for sets linked to the Euroconnector **external** 1 and/or **external** 2.

Programme selection



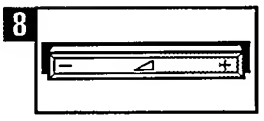
Select the required programme number with the digit buttons.
- First press button -/-- for programme numbers which consist of 2 digits.
- Back to one-digit programme numbers.
- Press button -/-- again.

Note: When selecting a programme number, the selected programme number and, if required, the programme station name appear on the top right of the screen for ± 3 sec. With stereo broadcasts 'STEREO' appears at the same time.
With dual language sound, the text DUAL I or DUAL II will also appear.

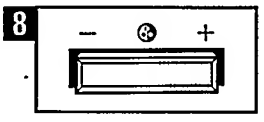
Changing picture and sound settings

Here you can also switch on DOS (see appropriate section 'Calling up DOS').

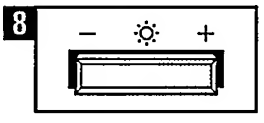
If required you can change the picture and sound settings by pressing the plus + or minus — side of the following controls.



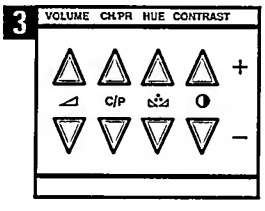
Volume ◿



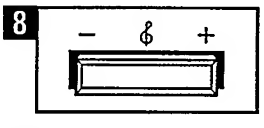
Colour saturation



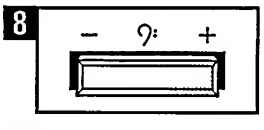
Brightness ☼



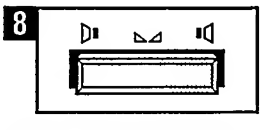
Contrast ◑



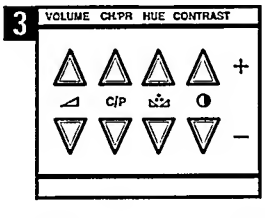
Treble 𝄞



Bass 𝄢

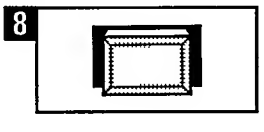


Balance ◺◿



HUE (tint) only with NTSC.

'Green' button PP



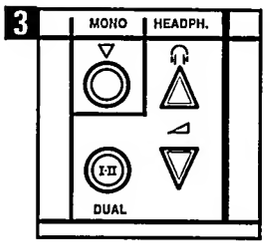
After changing picture and sound settings you can return to the personal preference setting.
- Press button PP.

Stereo sound

1. When selecting a programme number, if it is in stereo this is displayed for a moment on the screen.

2. As indicator that the sound is broadcast in stereo, after switching on DOS, STEREO appears on the screen.

If required you can return to mono reproduction.

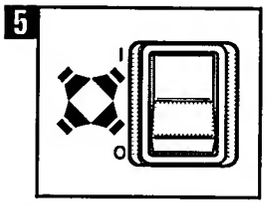


- Press button MONO ▽, indicator ▽ lights up.
If required, press button MONO ▽ again to return to stereo sound.

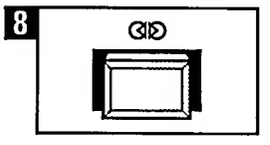
Surround sound

(if 4 loudspeakers boxes are connected).

During stereo broadcasts you can switch on the surround sound effect as an extra.

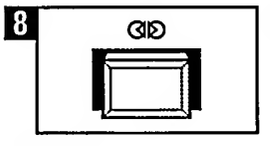


- Switch ⌗ in position I.



The effect can be further increased by pressing the ⌀ button. Indicator ⌀ lights up.

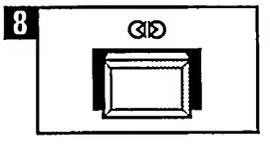
In case of MONO reproduction the (REAR) loudspeakers will not produce any sound.



- If you press the ⌀ key, you will switch on the (REAR) loudspeakers.

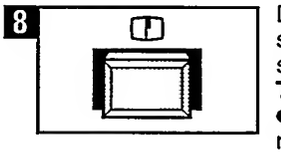
Spatial sound - stereo or mono

It is possible to give the sound an extra spatial effect.



- Press button ⌀. Indicator ⌀ lights up.
- Press button ⌀ again to return to normal stereo or mono sound.

Picture/contour sharpening



Depending on your preference you can switch on the picture/contour sharpening facility.

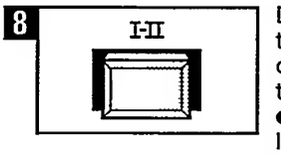
To switch off

- Press button ◫ again. Indicator ◫ is no longer lit up.

To switch on

- Press button ◫. Indicator ◫ lights up.

Language selection

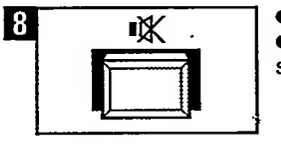


During broadcasts in two languages the indicator DUAL I or DUAL II is displayed on the screen when selecting the corresponding programme number.

- Press button I-II to hear the second language (II).
- Press button I-II again to select the first language (I).

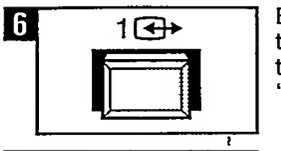
Note: When switching on DOS, if the broadcast is in two languages this is displayed on the screen.

Sound interruption

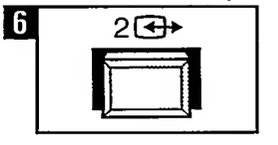


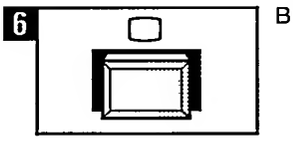
- Press button 🔇.
- Press button 🔇 again to obtain sound once more.

External mode



Buttons 1⇥ and 2⇥ are for switching to a connected source (External), for this see the relevant section under 'Other connection facilities'.



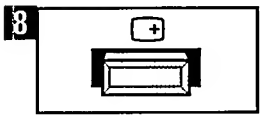


Button ▢ for return to TV programme.

Calling up DOS

Picture indications (DOS)
It is possible to call up various functions on the screen as indicators.

- First select the DOS function you require (1, 2 or 3).



1. Press button briefly. The programme number belonging to the picture appears on the top right of the screen, if necessary supplemented with the TV station name.
2. Keep button pressed in until the picture and sound functions are displayed on the screen as bars. If you now want to change the picture or sound, change the length of the bar.
3. Keep button pressed in until a menu is displayed on which the TV stations stored are given (programme number, channel number and programmed station name).
4. Press button again to switch off DOS.

Picture In Picture (PIP)
(only for 41CE8746 and 46CE8766)

PIP offers the possibility of calling up an extra picture* onto the screen while watching the TV, of exchanging it with the main picture, moving and freezing it.

* **a.** The same picture as the main picture (without a connected source).
b. The picture from a connected CVBS source, e.g. a video recorder. (This makes it possible, for example, to look at another TV programme or video recording on a screen while watching the TV).

For the best use of PIP it is recommended that an extra tuner, e.g. a video recorder be used. The video recorder should be equipped with a Euroconnector or CVBS + audio output of the CINCH or DIN type.

The remote control has the following buttons:

- PIP on/off
- Source selection
- Change picture
- Move picture
- Freeze picture

Connecting (PIP) sources

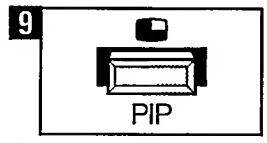
(For connection see the section entitled 'Other connection possibilities').

It is possible to obtain a PIP picture from the TV or from a maximum of 4 externally connected (2 Euroconnectors and 2 Cinch audio/video connections) CVBS sources. The connection is to be made via the Euroconnector or Cinch video input of the TV.

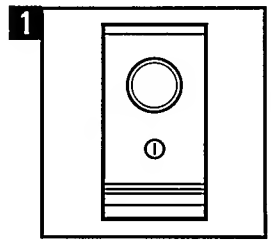
Note: The source to be connected is also to be provided with a suitable connection which transmits CVBS signals.

Operating PIP

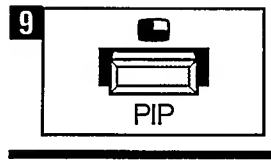
(with TV switched on)



Switching on:
- Press button . The extra TV picture appears in the last selected position and is from the last selected source.



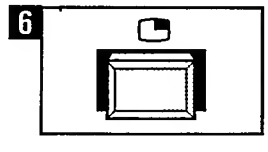
Note: When the TV is switched on with the POWER button, and subsequently PIP with button ⏻, the extra TV picture appears in the top right-hand corner of the screen. The PIP picture is then the same as the main picture.



Switching off:
- Press button once again.

Source selection

Select required PIP source*

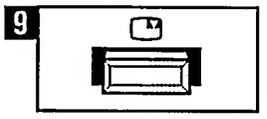


- Press button to change a connected (PIP) source. When selecting a source with button , there appears on the screen the name of the source of the main picture and the name of the source selected for PIP in the form of a DOS indication.

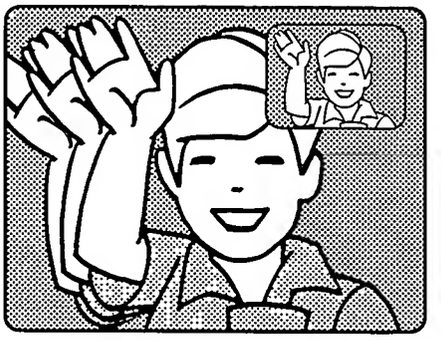
*** PIP sources**
1. TV as PIP source (PIP picture surround is blue).
2. PIP from EXT1 (PIP picture surround is orange).
3. PIP from EXT2 (PIP picture surround is purple).
4. PIP from EXT3 or EXT4 (dependent on the setting of the source selection buttons) (PIP picture surround is green or red).

Note: If the video recorder is selected as the source, you may select the tuned TV stations as PIP picture using the programme selection buttons on the video recorder.

Freezing the PIP picture

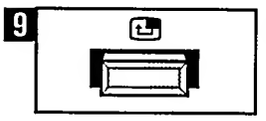


- Press button ⧉, the PIP picture now freezes.
- Press button ⧉ again to discontinue the frozen PIP picture.

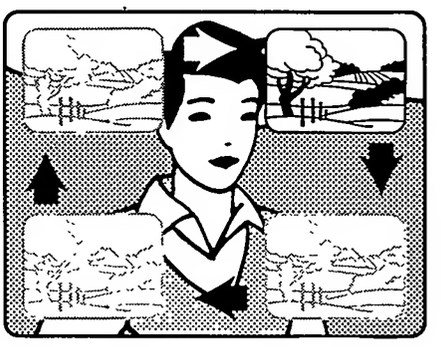


Note: The frozen picture can also be discontinued by selecting another source for the PIP picture.

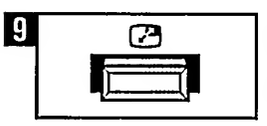
Moving the PIP picture



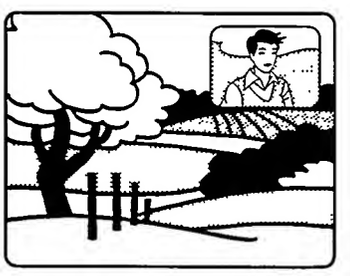
- Press button ⧉. The PIP picture is moved each time button is pressed.



Changing the picture

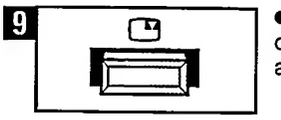


- Press button ⧉. The main picture is then exchanged with the PIP picture.
- Press button ⧉ again to change further.

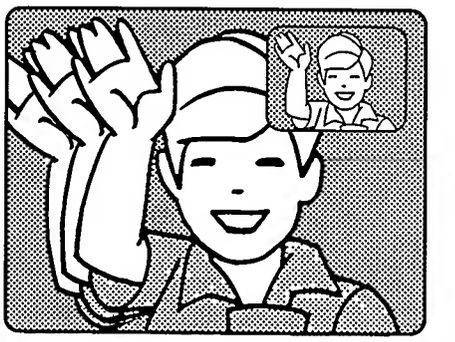


PIP picture in the TV setting

Any TV picture can be held as a PIP picture while watching TV. (In this case PIP is not used).

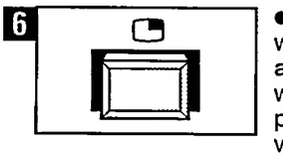


- Press button ⧉. PIP is now switched on and the same TV picture now appears as a frozen PIP picture.



- Press button ⧉ again to make held picture disappear.

Use of video recorder with PIP

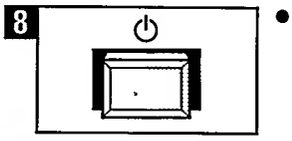


- Select the video recorder as source with button ⧉.

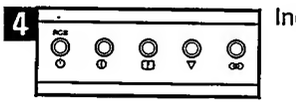
a. Select the required TV station to be watched in the PIP picture using the programme selection buttons on the video recorder.

b. You may now watch a video tape in the PIP picture by pressing the play button of the video recorder.

Standby
(interruption of picture and sound)



- Press button ⏻.

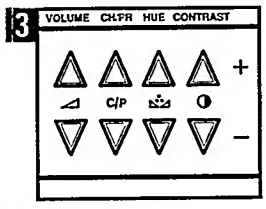


Indicator ⏻ lights up.

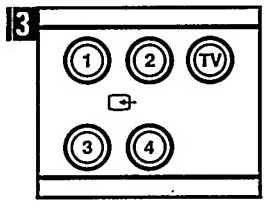
You can switch on the TV again by pressing a digit button on the remote control.

Operating the TV without remote control

The following controls are on the TV:



plus △ and minus ▽ buttons for volume and plus △ and minus ▽ buttons for programme number selection, with which the most important functions can also be operated without remote control.



With the SOURCE SELECTION ⊡ buttons 1, 2, 3, 4 and TV, you can select 4 connected sources and normal TV use, respectively .

Teletext

General description of Teletext

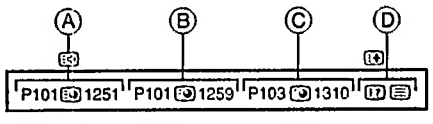
If Teletext is being broadcast it gives you a wide variety of information on all kinds of subjects by headings and pages.

The remote control has the following buttons (with symbols in yellow):

- Teletext on
- Return to TV programme
- Teletext with TV programme
- ✕ Interruption of Teletext
- Double letter height
- Stop changing pages
- Time code/subcode
- ? Concealed information
- 0..9 Page selection buttons
- Page numbers run back
- Page numbers run up
- Call up memory
- Enter in memory

The functions of the various Teletext symbols are given later in the text.

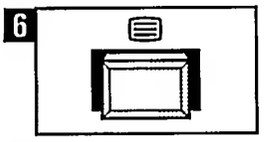
General information



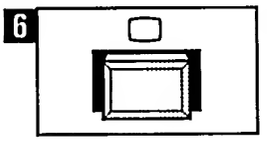
After Teletext has been switched on, an information line appears on the top of the screen. Depending on your selection, the following words may be indicated here:
Ⓐ = the number of the page which **is** on the screen (possibly combined with time code, subcode or stop changing pages).
Ⓑ = the number of the page **coming** onto the screen (possibly combined with time code or subcode). The colour is normally green, but once the page has been found the colour becomes white and this page number comes into position at Ⓐ on the information line.
Ⓒ = the page number which is stored. The colour is normally green, but once the page has been found the colour becomes white.
Ⓓ = the Teletext symbol and, depending on use, the symbol for double letter height or concealed information.

Operating Teletext

Switching on/off
Select the required TV station on which Teletext is transmitted.



- To switch on: Press button ▤.
Page number 100 (generally the contents) now appears on the screen.



- To switch off: Press button ▢.

In the following description of the Teletext functions it is assumed that Teletext has been switched on.

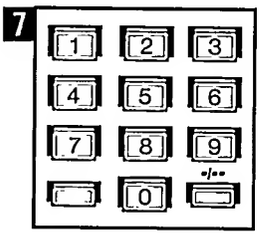
Page selection

The page number always consists of 3 digits (e.g. 120).

Note 1: Page numbers which begin with 0 or 9 do not exist. If 0 or 9 is selected as the first digit, this incorrect selection is indicated by **P-..** on the information line.

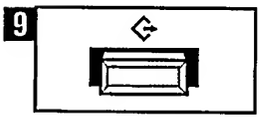
Note 2: If you have pressed a wrong digit button, you must first complete a combination of three digits and then select the correct page number again.

A. Direct page selection



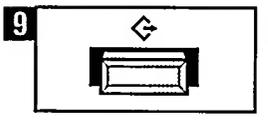
Page selection:
- Select the required page with the digit buttons on the remote control.

The page number selected is now visible in green on the information line. When the selected page number has been found, this page number is displayed in white.
(If the chosen page number is still displayed in green, then the page number selected is not being broadcast at that moment.)



Calling up the page:
- Press button ⇦.

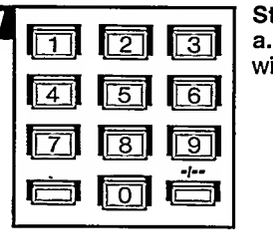
If you do not select a new page number, then the set will automatically search for the next page number.



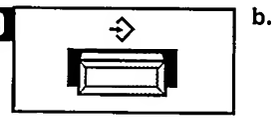
- Press button ⇦ again, if you want to display this page.

B. Page selection from the temporary memory

An index page gives a list of a number of items accompanied by a page number. A selection from these page numbers can be stored temporarily in the memory.
These selected pages can only be called up **once** in the order in which they are stored.

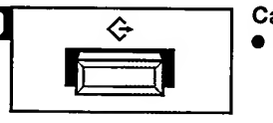


Storing page numbers:
a. Select the required page number with the digit buttons.



b. Press button ⇨.

Repeat these operations to store the other page numbers.



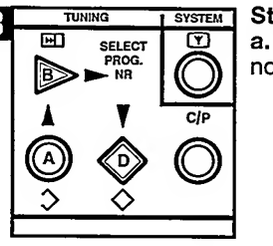
Calling up pages:
- Press button ⇦.

Note: If a selected page number is displayed in red, no new page numbers can be stored because the memory is full.

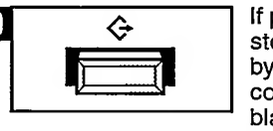
C. Page selection from the permanent memory

The permanent memory makes it possible to store a maximum of 20 page numbers which are regularly consulted.

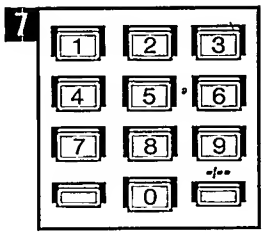
A list of these page numbers can be called up independently of the selected programme number and filled in. This list gives the programme and page number stored by line.
This can only be called up in the Teletekst ▤ mode.



Storing page numbers:
a. Press button A (◇) on the TV. The list now appears on the screen.

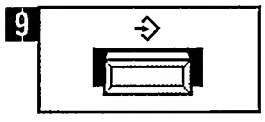


If page numbers have already been stored, these can be erased if required by pressing button ⇦ on the remote control until all 20 lines in this list are blank (recognisable by **..P...** on the screen).



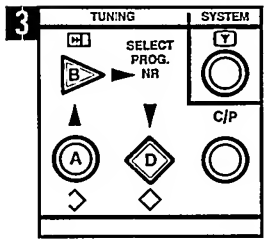
b. Select the required programme number (TV station with Teletext programmes); always two digits, e.g. 01.

c. Select required page number.



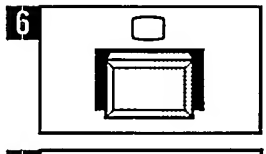
d. Press button ⇨.

Repeat operations **b, c** and **d** to store the other page numbers.

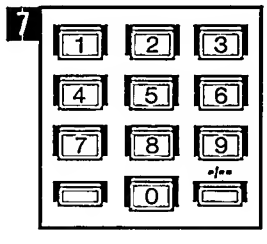


e. Press D (◇) on the TV.

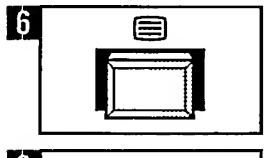
The input programme and page numbers are now stored in the memory. This is indicated by a colour change.



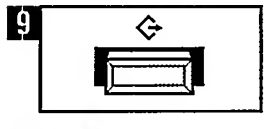
Calling up pages:
a. Press button ▢.



b. Select required programme number (TV station).

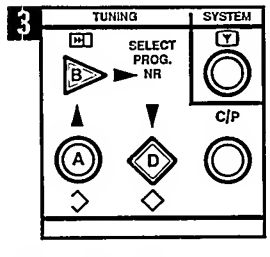


c. Press button ▤.

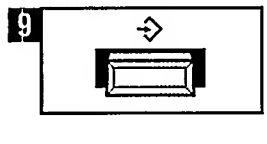


d. Press button ⇦ to call up the pages.

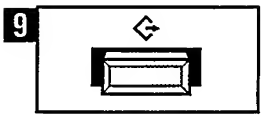
Erasing stored page numbers



a. Press button A (◇) on the TV.

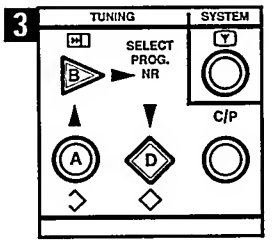


b. By pressing button ⇨ each time you move the colour bar to the required line.



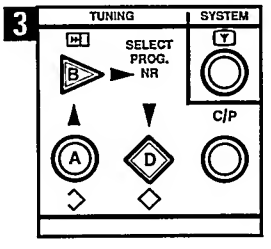
c. Press button ⇦.

Repeat operations **b** and **c** to erase several page numbers.



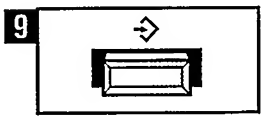
d. Press button D (◇) on the TV.

Adding page numbers



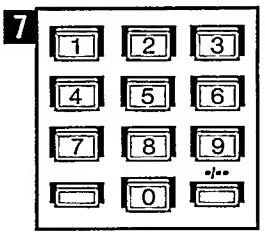
a. Press button A (◇) on the TV.

If no more lines are available, you must erase one or more lines. See 'Erasing stored page numbers'



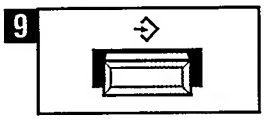
b. By pressing button ⇨ each time you move the colour bar to the required line.

Note: The page number indicated by the colour bar and the following pages will move down one position. The page number **to be added** appears on the line indicated by the colour bar.



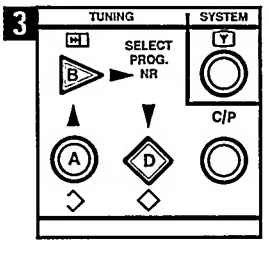
c. Select the required programme number (always two digits, e.g. 01).

d. Select the required page number.



e. Press button ⇨.

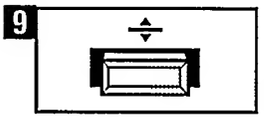
If required repeat operations **b, c, d** and **e** to add several page numbers.



f. Press D (◇) on the TV.

Other Teletext functions

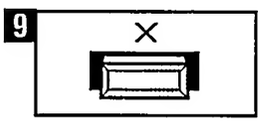
Double letter height



- Press button ⇳ for double letter height in the top half of the page.
- Press button ⇳ for double letter height in the bottom half of the page.
- Press button ⇳ again for normal letter height.

When double letter height is used the symbol ⊟ appears on the information line.

Interruption of Teletext

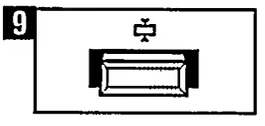


- Press button ✕.
- To return to Teletext, press button ✕ again.

Note: The Teletext symbol ✕ remains visible in the top right of the screen. It is now not possible to change the programme. You must first switch off Teletext with button ▢.

Stop changing pages

If a page contains more text than a Teletext page allows, use is frequently made of changing pages within the same page number.

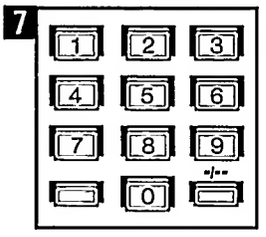


- Press button ⇳. The symbol ⊟ appears on the information line.
- To cancel the stop press button ⇳ again.

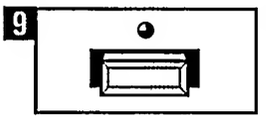
Time code/subcode

A time code or subcode may be added to page numbers at the discretion of the Teletext editors.

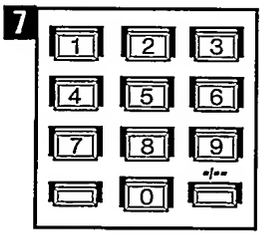
This makes it possible to:
a. call up a page at a desired time (time code), or
b. select one of the changing pages directly (subcode).



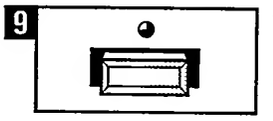
a.Time code
- Select the required page number (e.g. P123).



- Press button ◕.
- Select the required time (e.g. 13.19 hours). The information line will now display e.g. P123 ⊟ 1319.



b. Subcode
- Select the required page number (e.g. 123).

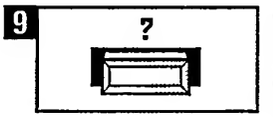


- Press button ◕.
- Select the required subcode (e.g. 3). The information line now displays P123 ⊟ 0003.

Note: The selected page, followed by a time code or subcode can:
a. be called up directly by pressing button ⇦, or
b. be stored in the temporary memory by pressing button ⇨.

Concealed information

Depending on the contents of the page, concealed information can be called up.



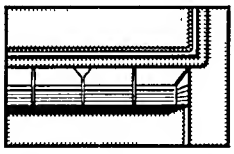
- Press button ?. The concealed information appears on the screen.
- Press button ? again. The information disappears. The symbol ⊟ appears on the information line.

Teletext with TV programme

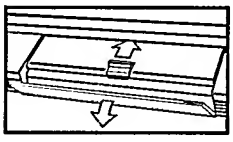
- Press button ⧄.
- To return to Teletext, press button ⧄ again.

Use of TV as monitor

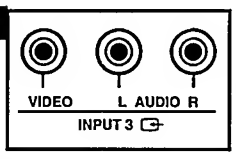
The TV can also be used directly for the playback of audio and video signals which are supplied by equipment (sources) connected to the cinch connections.



Cinch connections (front).
- Open the cover.

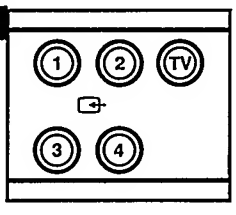


2



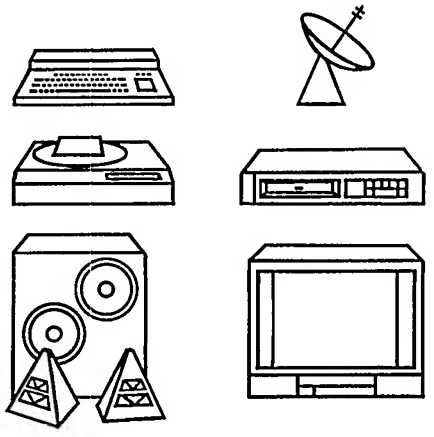
The VIDEO connection is a CVBS input. The AUDIO L and R inputs are for the sound from equipment connected to the VIDEO input.

3



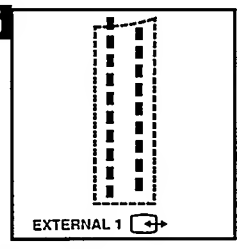
Depending on which cinch connections are used, select INPUT 3 or 4.

Other connection facilities



Euroconnector

5

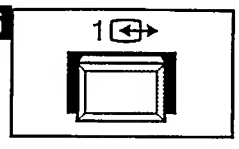


External 1 (1) for connecting peripheral equipment.

The Euroconnector is a multi-functional connection socket for both Audio and Video equipment (including RGB).

Before this equipment is switched on, the TV must be switched to the EXT 1 mode.

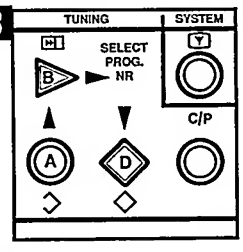
6



- Press button 1, indicator EXT 1 appears ± 3 sec. on the left of the screen.

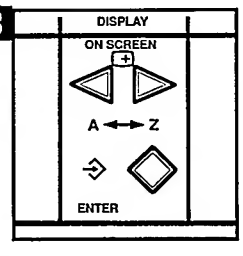
Note: If required the source name can be programmed via DOS:

3



- Press button A (◇).

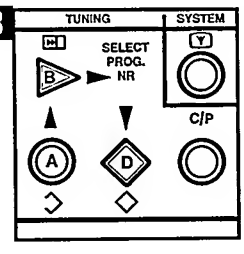
3



- Press button (◁) ◁ or ▷ until the required letter or digit is found.
- Press button ENTER ◇.

Select the following letter or digit etc. Repeat the operations until the source name is stored (max. 5 positions).

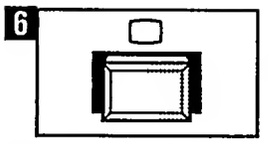
3



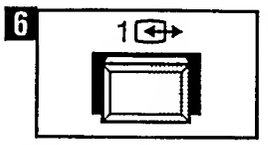
- Press button D (◇).

Switching to the External mode may be:

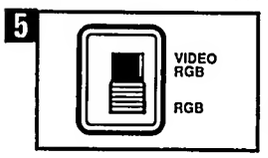
a. automatic,
if the unit connected supplies the switchover signals for this.



Note: If required, you can cancel the automatic switchover.
- Press button ▭.



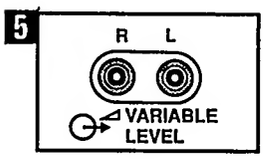
b. non-automatic,
if the unit connected does not supply switchover signals, button 1 on the remote control must be pressed.



Important!
If a unit connected to the Euroconnector supplies RGB signals without switchover signals, switch VIDEO RGB/RGB should be set to the RGB position.

If in doubt, consult the Operating Instructions for the connected unit.

Variable output level

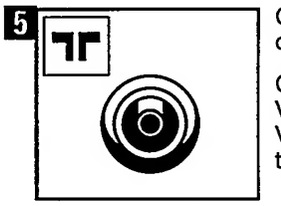


Connection for Audio equipment
This output can be linked with the auxiliary (AUX) input of your audio unit so that you can play back the sound via your sound equipment.

The sound adjustments can also be made with the remote control.

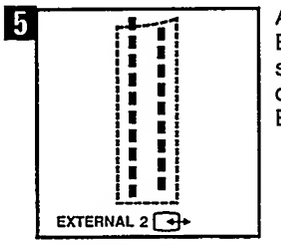
Video Recorder

Connection

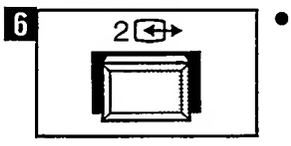


Connect the TV aerial cable to input on the Video Recorder.

Connect the cable supplied with the Video Recorder to output TV on the Video Recorder and aerial input on the TV.



As an extra you can also connect a Eurocable, if the Video Recorder is supplied with a Euroconnector. The connection is made via Euroconnector EXTERNAL 2 (2).



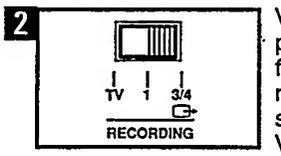
- Press button EXT 2 (2).

Ask your dealer for the correct Eurocable.

Connecting the Video Recorder via the Euroconnector offers the following advantages:
- increased quality of picture and sound reproduction.
- easier operation.
- the facility to playback stereo signals.

Important
If a Eurocable is connected, the TV is automatically switched over to the Video Recorder signal so that the Video Recorder gives a signal (e.g. in 'Playback' mode).

Recording from connected sources



Via the RECORDING switch it is possible to make a recording directly from a connected source. With the recording switch you can choose the signal you wish to record with the Video Recorder on Euroconnector EXT 2.
- **TV mode:** for recording a selected TV programme.
- **Mode 1:** for recording the signal of a connected source on Euroconnector EXT 1.
- **Mode 3/4:** for recording one of the signals connected to Cinch input 3 or input 4.
Select position 3 or 4 with the **source selection** keys.

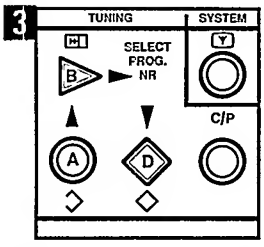
For these recording facilities, the TV has two Euroconnectors and 2 Cinch input sockets. Both have a Video input and two Audio inputs (L and R). The Cinch sockets are on the front.

Searching Video Recorder signal

(if the Video Recorder is connected via the aerial)

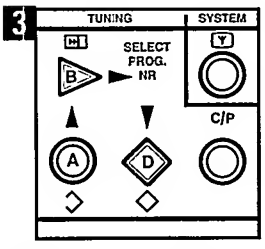
Press the playback button 'PLAY' on the Video Recorder. There must **not** be a cassette in the cassette holder.

To search for and store the Video Recorder signal in the memory (recognisable by a test pattern), you should perform the following operations A, B, C, and D on the TV.



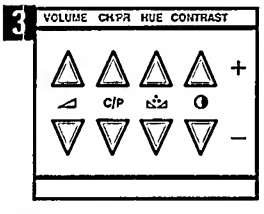
A Opening the memory

- Press button A (◇). A programme number starts flashing in the window.



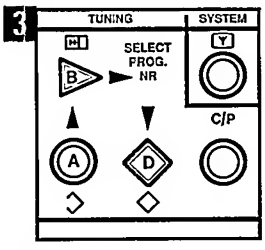
B Searching Video Recorder signal

- Press button B (⏭) briefly. Channel numbers now begin to run up in the window. This stops as soon as a TV picture is received. If this is not the Video Recorder signal, then continue searching by pressing button B (⏭) briefly again.



C Selecting a programme number

- Select an available programme number by pressing the plus △ or minus ▽ side of button CH/PR.



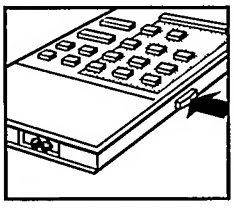
D Storing the Video Recorder signal in the memory

- Press button D (◇).

Playback of Video Recorder signal

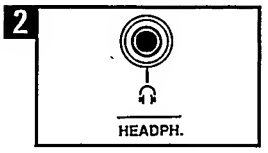
To playback from a video tape select the programme number under which you have stored the video signal.

Operation via the TV remote control

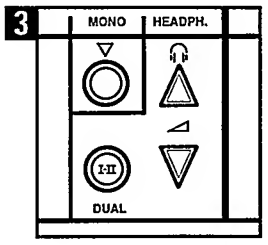


As long as the button (on the side of the remote control) is kept pressed in, instructions can be given to the Video Recorder (from our range).
For the use and functions of the symbols, see the Operating Instructions for your Video Recorder.
The functions of these buttons correspond to those of the buttons on the Video Recorder.

Headphones



This connection is for headphones with an impedance of between 8 and 1000 ohms and is of the 6.3 mm jack-type socket.



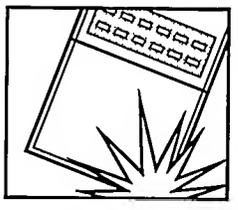
If headphones are connected, you can control the volume ◿ with the △ VOLUME ▽ buttons.
Button DUAL I-II for the selection of another language (if broadcast).

Note. The volume of the headphones can also be stored under the 'green' PP button, see section 'Personal preference setting of picture and sound' for this.

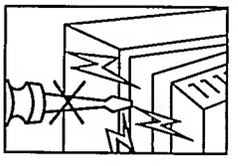
General

What to do in case of faults

- If the TV does not give the desired result when used, check that the power is on, the aerial is connected and that all the controls are set correctly.
- If there is no sound, check whether the button for sound interruption has been pressed or switch OFF ON is in the correct position.
- If there is no picture, check that the VIDEO RGB - RGB switch is in the VIDEO RGB position.
- If a bright white line appears on the TV screen, or the TV indicator lamps start to flash when you are not operating any of the controls, then switch off the TV and switch it on again. If this does not achieve the required result, consult your dealer.



In order to get the longest possible service from your remote control, we advise you to handle it carefully and to avoid dropping or knocking it. If the TV no longer reacts to commands given with the remote control, then the batteries are probably flat. Replace them. It is advisable to use Philips Alkaline batteries, type LR03.



- The rear panel of the set may be removed only by a service technician.

Important

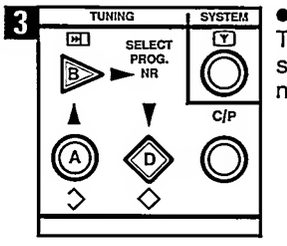
- Whenever moving, **always** keep the set in an upright position.

Cleaning the projection TV

The projection TV must only be cleaned with a damp chamois leather. Do not use alcohol, spirits, ammonia or abrasive cleaning agents.
It is advisable to rub the chamois leather up and down the screen (i.e.e not from side to side).

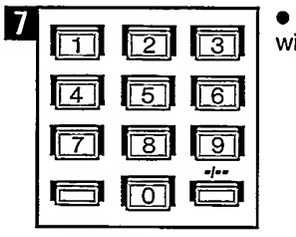
Technical information

Direct TV channel selection



- Press button C/P.

The indicator CH appears briefly on the screen followed by a two or three-digit number (on the hyperband model).



- Select the required channel number with the digit buttons.

Euroconnector specifications

Pin			external 1 1	external 2 2
1	audio output (right channel)	0.5 Vrms/1 kohm	x	x
2	audio input (right channel)	0.5 Vrms/10 kohms	x	x
3	audio output (left channel)	0.5 Vrms/1 kohm	x	x
4	audio earth connection		x	x
5	B input earth connection		x	
6	audio input (left channel)	0.5 Vrms/10 kohms	x	x
7	B input	0.7 Vpp/75 ohms	x	
8	remote control signals + status input (EXT 1)	0-2/10-12V/10 kohms	x	x
9	G input earth connection		x	
10	not connected			
11	G input	0.7 Vpp/75 ohms	x	
12	not connected			
13	R input earth connection		x	
14	not connected			
15	R input	0.7 Vpp/75 ohms	x	
16	fast blanking input	0-0.4V/1-3V/75 ohms	x	
17	CVBS earth connection		x	x
18	fast blanking earth connection		x	
19	CVBS output	1 Vpp/75 ohms	x	x
20	CVBS input	1 Vpp/75 ohms	x	x
21	cover		x	x

Channel number indications on the screen

	* Channel number	Channel indication
	02-04	VHF (band I)
	05-12	VHF (band III)
	21-69	UHF (band IV)
Italian channels	13	A
	14	B
	15	C
	16	D
	17	E
	18	F
	19	G
	20	H
	11	L
S channels band I	74	S1
	75	S2
	76	S3
S channels band III	80	S1
	81	S2
	82	S3
	—	
	98	S19
	99	S20
Hyperband	100	
	101	
	102	
	103	
	104	
	105	
	106	
	107	
	108	
	109	
	110	
	111	
	112	
	113	
	114	
	115	
	116	
	117	
	118	
	119	
	120	

* 002, 003, ... (on the hyperband model).

GB	**IDENTITY CARD**	This card together with the terms of guarantee (to be provided by your dealer) forms the full certificate of guarantee for this appliance
D	**GERATE-KENNKARTE**	Diese Karte ist zusammen mit den Garantiebestimmungen die Ihr Handler Ihnen aushandigt Ihr Garantieschein fur dieses Gerät
F	**CARTE D'INDENTIFI-CATION**	Associee aux conditions de garantie (qui vous sont remises par le revendeur) cette carte constitue le certificat de garantie de cet appareil
NL	**INDENTIFI-CATIEKAART**	Deze kaart vormt samen met de garantievoorwaarden (welke door uw dealer verstrekt worden) het garantiebewijs voor dit apparaat
I	**CARTE D'IDENTIFI-CAZIONE**	Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio
E	**TARJETA DE INDENTIFICACIÓN**	La garantia de este aparato se compone de esta tarjeta y de las condiciones de garantia que le entregara su concesionario
P	**CARTÃO DE INDENTIFICAÇÃO**	Este cartão em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho
DK	**I D KORT**	Dette kort udfyldt af Deres forhandler, er tilstrækkelig garantidokumentation for dette apparat
N	**IDENTIFIKA-SJOSKORT**	Dette kort sammen med garantibetingelsene (som De får av forhandleren) utgjor garantibeviset for dette apparat
S	**IDENTIFIERINGS-KORT**	Detta kort tillsammans med garantivillkoren, som Du får av radiohandlaren utgor ett fullstandigt garantibevis for denna produkt
SF	**TUNNISTUS-KORTTI**	Taman laitteen takuutodistus muodostuu tastä kortista ja takuuehdoista (jaileenmyyja antaa mukaan)
GR	**ΔΕΛΤΙΟ ΤΑΥΤΟΤΗΤΑΣ**	Η καρτελλα αυτη μαζι με τους ορους εγγυησεως (που θα προμηθευθειτε απο τε καταστημα που αγορασατε την συσκευη) αποτελουν το πληρες πιστοποιητικο εγγυησεως της συσκευης σας

PHILIPS

3122 125 96511